E/L

	Application No.	Applicant(s)
Notice of Allowability	10/749,915 Examiner	YAMAMOTO ET AL.
	Liammer	Artomit
	Scott B. Geyer	2812
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu IGHTS. This application is so	this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to <u>an election, dated 2-</u>	<u>14-05</u> .	
2. The allowed claim(s) is/are 6-12.		
3. \boxtimes The drawings filed on <u>31 December 2003</u> are accepted by	the Examiner.	
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application	n No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which giv		
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	·	
(b) including changes required by the attached Examiner Paper No./Mail Date	s Amendment / Comment or	in the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 1203 4. ☐ Examiner's Comment Regarding Requirement for Deposit	6. ☐ Interview Su Paper No./I 08), 7. ☑ Examiner's /	ormal Patent Application (PTO-152) Immary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowance
of Biological Material	9.	· 1/m

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DETAILED ACTION

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Election/Restrictions

1. Applicant's election of claims 6-12 in the reply filed on February 14, 2005 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

2. This application is in condition for allowance except for the presence of claims 1-5 to an invention non-elected without traverse. Accordingly, claims 1-5 have been cancelled (see paragraph 6 below).

Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

The references cited within the IDS filed on December 31, 2003 (paper no.
 1203) have been considered.

Drawings

5. The drawings filed on December 31, 2003 are acceptable.

EXAMINER'S AMENDMENT

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

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by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Cancel claims 1-5

Allowable Subject Matter

- 7. Claims 6-12 are allowed.
- 8. The following is an examiner's statement of reasons for allowance. The prior art of record and to the examiner's knowledge does not teach or render obvious, at least to the skilled artisan, the instant invention regarding a process of making a semiconductor device including at least one p-channel type MOS transistor, characterized by forming a three layered gate structure consisting of a first seed layer of silicon, a middle layer of silicon-germanium and a top layer of polycrystalline silicon, wherein the process temperature of forming the top layer is higher than the process temperatures of forming the other two lower layers, and combined with a step of implanting p-type impurities into the gate electrode structure, as recited in independent claim 6. Claims 7-12 are dependent upon claim 6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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al. (2004/0067631 A1).

9. The following references are cited as being particularly related to the applicant's invention: Chen et al. (6,780,741 B2), Yamamoto (6,710,407 B2), Kubo et al. (6,710,382 B2), Kubo et al. (6,589,827 B2), Chan et al. (2005/0073014 A1) and Bu et

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Conclusion

the examiner should be directed to Scott B. Geyer whose telephone number is (571) 272-1958. The examiner can normally be reached on weekdays, between 10:00am - 6:30pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Imo

Ha Tron Nguyen Primary Examiner Teshnology Center 2800

Scott B. Geyer Patent Examiner, 2812 April 12, 2005